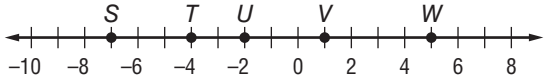
NAME _____ DATE _____ PERIOD _____

1-3 Practice

Distance and Midpoints

Use the number line to find each measure.



1. VW

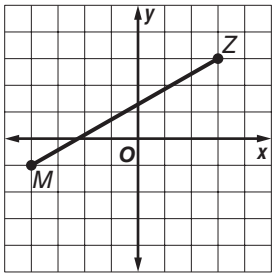
2. TV

3. ST

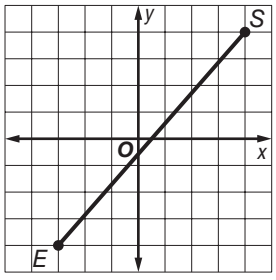
4. SV

Find the distance between each pair of points.

5.



6.



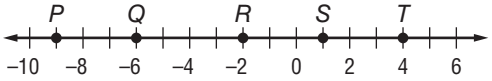
7. $L(-7, 0)$, $Y(5, 9)$

8. $U(1, 3)$, $B(4, 6)$

9. $V(-2, 5)$, $M(0, -4)$

10. $C(-2, -1)$, $K(8, 3)$

Use the number line to find the coordinate of the midpoint of each segment.



11. $\overline{RT}$

12. $\overline{QR}$

13. $\overline{ST}$

14. $\overline{PR}$

Find the coordinates of the midpoint of a segment with the given endpoints.

15. $K(-9, 3)$, $H(5, 7)$

16. $W(-12, -7)$, $T(-8, -4)$

Find the coordinates of the missing endpoint if E is the midpoint of $\overline{DF}$.

17. $F(5, 8)$, $E(4, 3)$

18. $F(2, 9)$, $E(-1, 6)$

19. $D(-3, -8)$, $E(1, -2)$

20. PERIMETER The coordinates of the vertices of a quadrilateral are $R(-1, 3)$, $S(3, 3)$, $T(5, -1)$, and $U(-2, -1)$. Find the perimeter of the quadrilateral. Round to the nearest tenth.

Lesson 1-3